BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2020-21/OW/WORK_INDENT42317

APPROVED SCHEDULE - B

No.EE/BTP/BBMP/E-PMT/04/2020-21, Date: 28.05.2020

Name of Work:Improvements to Roads and RCC Drains at Babanagara Main and Cross Roads, Dwarakanagar and Surrounding area in Ward No 05

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of RAJESWAREN SATHEESH (SATHYA CONSTRUCTIONS)	
				In Figures	In Words
1	19.26	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. iii)Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar.complete as per specifications and directions of the Engineer in charge.	Cum	463.95	Rupees Four Hundred Sixty Three and Ninety Five Paise Only
2	3730.58	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and directions of the Engineer in charge.5km lead= 57+2.0x1.28x5 =69.80	Cum	217.98	Rupees Two Hundred Seventeen and Ninety Eight Paise Only
3	554.85	Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per Specification and directions of the Engineer in charge	Cum	5693.00	Rupees Five Thousand Six Hundred Ninety Two and Ninety Nine Paise Only
4	1139.5	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm.complete as per Specification and directions of the Engineer in charge	Cum	7423.71	Rupees Seven Thousand Four Hundred Twenty Three and Seventy One Paise Only
5	80.44	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery. MORTH Specification NO.1600&2200 ,complete as per Specification and directions of the Engineer in charge	tonne	75943.33	Rupees Seventy Five Thousand Nine Hundred Forty Three and Thirty Two Paise Only
6	3159.9	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)complete as per Specification and directions of the Engineer in charge	Sqm	2451.75	Rupees Two Thousand Four Hundred Fifty One and Seventy Four Paise Only
7	93.81	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete as per Specification and directions of the Engineer in charge	Sqm	5688.90	Rupees Five Thousand Six Hundred Eighty Eight and Ninety Paise Only

Signature of the contractor

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Executive Engineer

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Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of RAJESWAREN SATHEESH (SATHYA CONSTRUCTIOI)	
				In Figures	In Words
8	170.14	. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead ,complete as per Specification and directions of the Engineer in charge	Cum	59.07	Rupees Fifty Nine and Seven Paise Only
9	3267.05	. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per Specification and directions of the Engineer in charge	Sqm	43.41	Rupees Forty Three and Forty Paise Only
10	3267.05	. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per Specification and directions of the Engineer in charge	Sqm	6.68	Rupees Six and Sixty Seven Paise Only
11	490.06	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per Specification and directions of the Engineer in charge	Cum	2094.67	Rupees Two Thousand Ninety Four and Sixty Six Paise Only
12	921.56	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired densitycomplete as per Specification and directions of the Engineer in charge	Cum	2101.34	Rupees Two Thousand One Hundred One and Thirty Four Paise Only
13	4006.8	.Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineriescomplete as per Specification and directions of the Engineer in charge	Sqm	23.37	Rupees Twenty Three and Thirty Seven Paise Only
14	4868.72	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical meanscomplete as per Specification and directions of the Engineer in charge	Sqm	30.05	Rupees Thirty and Five Paise Only
15	244.64	. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen, complete as per Specification and directions of the Engineer in charge	Cum	6927.31	Rupees Six Thousand Nine Hundred Twenty Seven and Thirty One Paise Only
16	9013.15	.Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per Specification and directions of the Engineer in charge	Sqm	5.57	Rupees Five and Fifty Six Paise Only
17	9013.15	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per Specification and directions of the Engineer in charge	Sqm	13.35	Rupees Thirteen and Thirty Five Paise Only

Signature of the contractor

Executive Engineer

Sl. No	Approved Qty.	Description	Unit	Approved Tender Rates of RAJESWAREN SATHEESH (SATHYA CONSTRUCTIONS)	
				In Figures	In Words
18	360.42	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive) complete as per Specification and directions of the Engineer in charge	Cum	8141.60	Rupees Eight Thousand One Hundred Forty One and Fifty Nine Paise Only
19	336.3	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per Specification and directions of the Engineer in charge	Sqm	477.39	Rupees Four Hundred Seventy Seven and Thirty Eight Paise Only

Signature of the Contractor

Executive Engineer
Byarayanapura Division
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